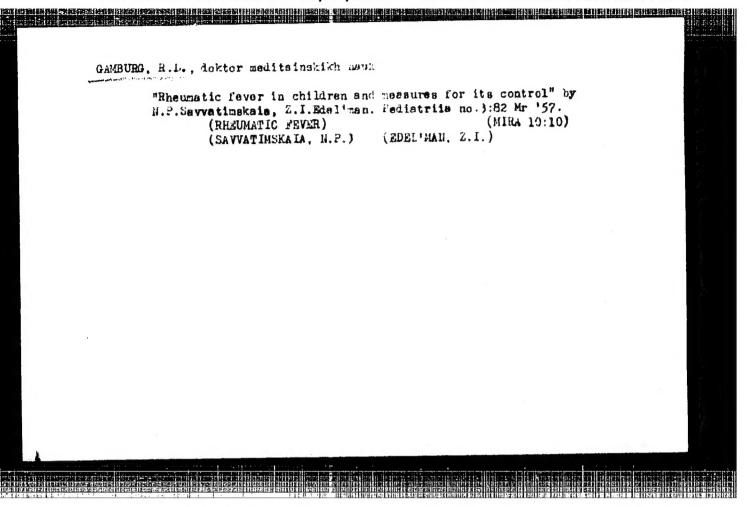
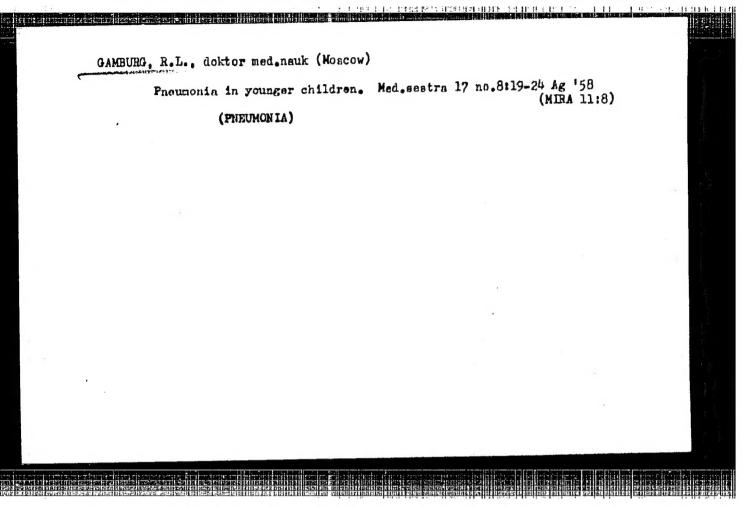


GAMBULL K.C ARUTYUNOV, V.Ya., prof.; BERKOVICH, I.M., doktor med.rauk; BUNIN, K.V., prof. VELIKORETSKIY, A.H., prof.; GAMBURG, R.L., doktor med.nauk; GLASKO, H.M.; ZVYAGIMTSEVA, S.G., doktor med.nauk; IVENSKAYA, A.M., kand.med. neuk; KALUGINA, A.N. kand.med.nauk; KAMINSKAYA-PAVLOVA, Z.A., prof. KVATER, Ye.I., prof.; KOLEN'KO, A.B., prof.; KOSSYURA, M.B., kend. med.nauk; KRAVETS, E.M., doktor med.nauk; KRISTMAN, V.I., kand.med. nauk; KRUZHKOV, V.A., dotsent; LIKHACHEV, A.G., prof.; LUKCHSKIY, I.G., prof.; MASHKOVSKIY, M.D., prof.; ROZENTAL', A.S., prof.; SEREYSKIY, M.Ya. [deceased], prof.; TURETSKIY, M.Ya., kand.med.nauk; KHESIN, Ye. Ye., dotsent; EMDINA, Kh.L., kand. med. nauk; SHABANOV, A.H., prof.; red.; BONDAR', Z.A., red.; ZAKHAROVA, A.I., tekhn.red. [Medical handbook for feldshers] Meditsinskii spravochnik dlia fel'dsherov. Izd. 6-oe, perer. i dop. Moskva, Gos. izd-vo med. (MIRA 10:12) lit-ry, 1957. 899 p.
(MEDICINE-HANDBOOKS, MANUALS, ETC.)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614210013-3"





SPERANSKIY, G.N., prof.; GAMBURG, R.L., doktor med.nauk; MATVEYEV, M.P., dots.

Clinical and laboratory observations on use of adrenocorticotropic hormone and cortinone in rheumatic fever in children [with summary in English]. Pediatriia 37 no.1:16-25 Ja '59. (MIRA 12:1)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR prof. G.B. Speranskiy) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva) na baze Detskoy bol'nitsy im F.E. Dierkinskogo (glavnyy vrach A.N. Kudryashova).

(HHWUMATISM, in inf. & child ther., ACTH & cortisone, comparisons (Rus))

(ACTH, ther. use rheum. in child., comparison with cortisone (Rus))

(CORTISONE, ther. use rheum. in child., comparison with ACTH (Rus))

SPERANSKIY, G.N., prof., Geroy Sotsislisticheskogo Truda, red.; GAMBURG, R.L., doktor med.nauk, red.; ICMATOVA, M.S., red.

[Gurrent problems of rheumatic fever in children] Aktual nye voprosy revmatizma u detei. Pod red. G.N. Speranskogo i R.L. Gemburg. Moskva, M-vo zdravookhraneniia SSSR, 1960. 173 p.

(MIRA 13:10)

1. Moscow. TSentral nyy institut usovershenstvovaniya vrachey.

2. Deystvitel nyy chlen AMN SSSR (for Speranskiy).

(NHEUMATIC FEVER)

GAMBURG, R.L., doktor med.nauk; SOLOMATINA, O.G., kand.med.nauk

Use of hormonal preparations in active rheumatic phases in children.
Sov.med. 25 no.4:63-67 Ap '61. (MIRA 14:6)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR prof. GLN.Speranskiy) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. M.D.Kovrigina).

(ADRENOCORTICAL HORMONES) (RHEUMATIC FEVER)

GAMBURG, R.L.

History of and prospects for the development of pediatric cardiology. Vop. okh. mat. i det. 7 no.5:10-15 My '62. (MIRA 15:6)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR G.N. Speranskiy) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. M.D. Kovrigina).

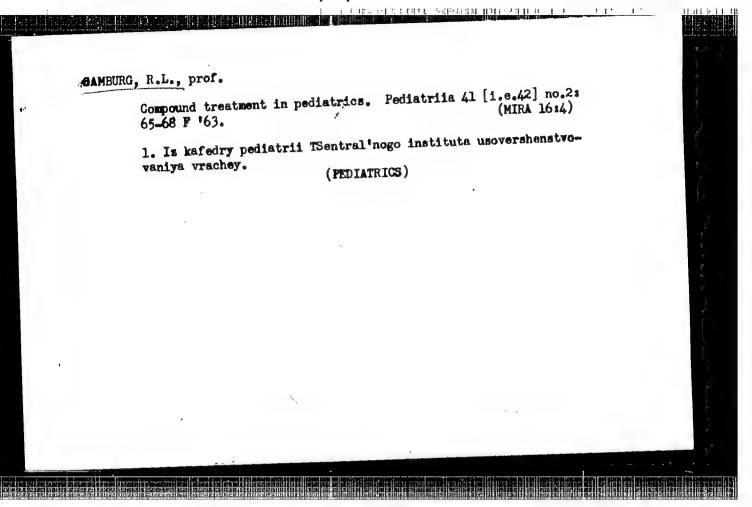
(CARDIOLOGY)

GAMBURG, R.L., prof.

Atypical course of some forms of infectious polyarthritis in children. Pediatriia 41 no.5:33-38 My '62. (MIRA 15:5)

1. Iz kafedry pediatrii (zav. - deystvitel'nyy chlen AMN SSSR prof. G.N. Speranskiy) TSentral'nogo instituta usovershenstvovaniya vrachey (rektor M.D. Kovrigina) na baze Detskoy bol'nitsy No.9 (glavnyy vrach A.N. Kudryasheva).

(ALLERGY) (ARTHRITIS)



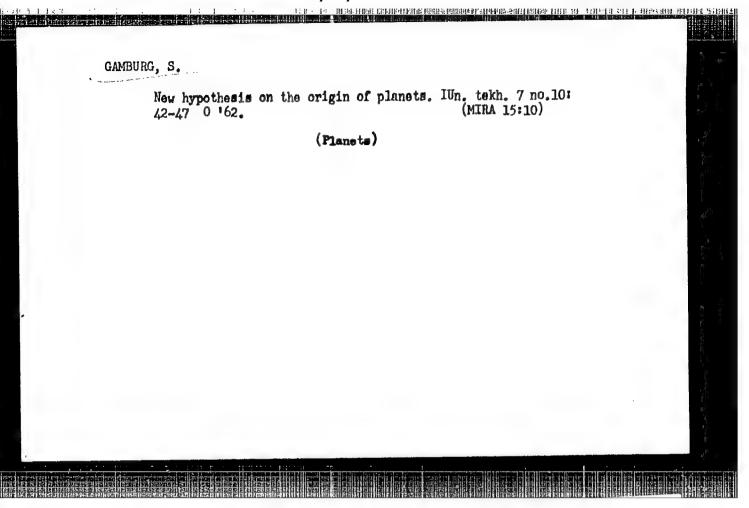
DOMBROVSKAYA, Yu.F., prof. otv. red.; ZVYAGINTSEVA. S.G., prof. red.; SOKOLOVA, T.S., prof., red., GAMBIRG, R.L., prof., red. [Current problems of the physiology and pathology of childhood] Sovremennye problemy fiziologii i patologii detskogo vozrasta. Moskva, Meditsina, 1965. 317 p. (MIRA 18:6)

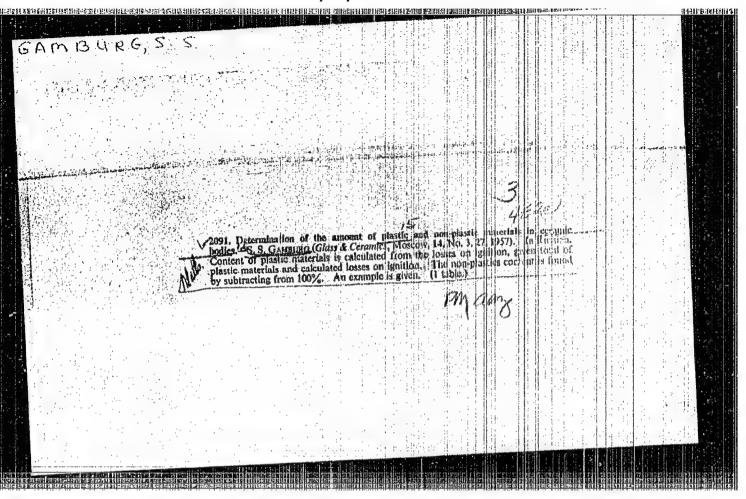
1. Deystvitel'nyy chlen AMN SSSR (for Dombrovskaya).

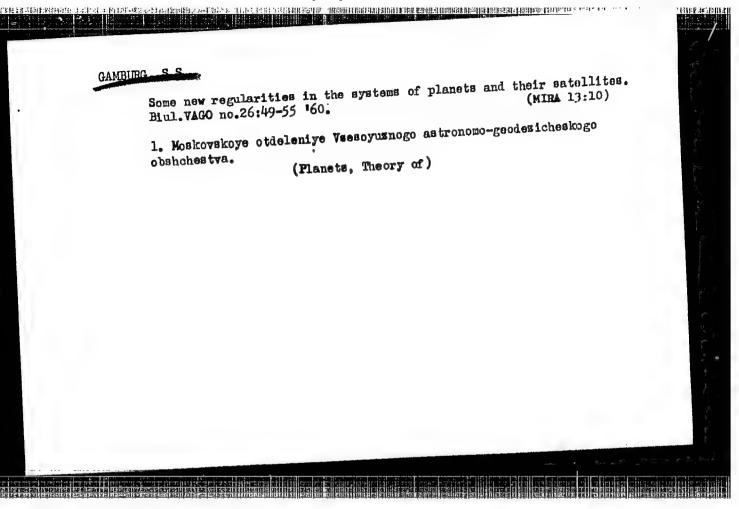
GAMBURG, R.L.; IGNATOVA, M.S.; PRECENTAZHERISKAYA, K.N.

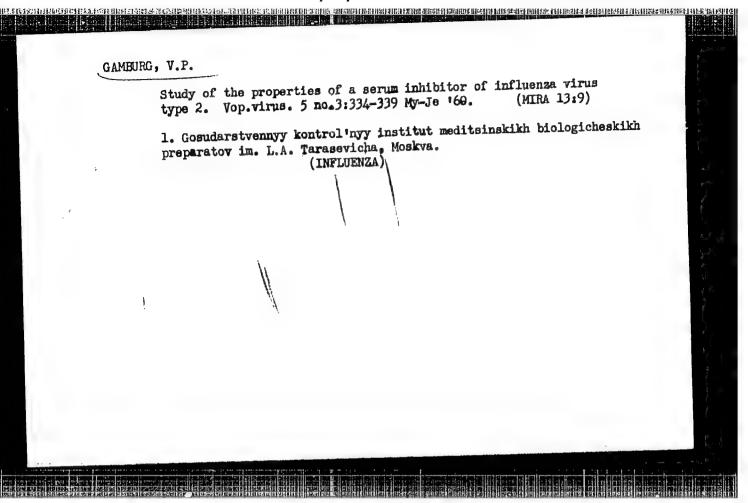
Antiblotics in the treatment of diffuse glomerulomephrites in children.
Antiblotiki 10 no.6:551-554 Je 165.

1. Kafedra pediatrii (zav. - prof. R.L. Gamburg) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.









GAMBURG, V. P.; technical assistance: SPEKTOR, N. N.

Haemagglutination inhibitor and neutralizing factor of A2 influenza virus in sera. Acta virol. Engl. Ed. Praha 5 no. 5:317-324 S 61.

1. Influenza and Measles Laboratory of the Tarasevich State Control Institute of Medical Biological Preparations, Moscow.

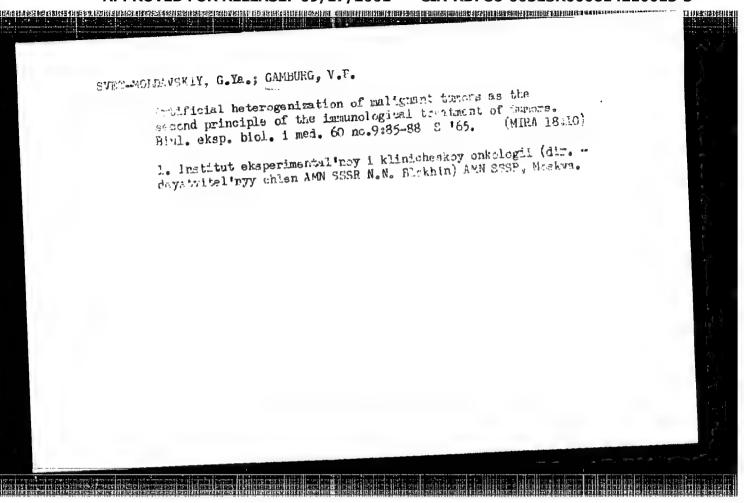
(INFLUENZA VIRUSES immunol)
(HEMAGGLUTINATION)

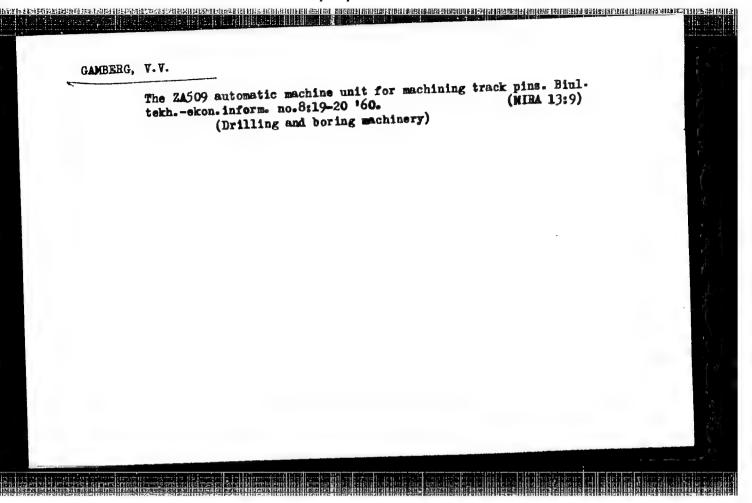
CAMBURG, V.P.; SVET-NOLDAYSKIY, G.Ya., doktor med.nauk

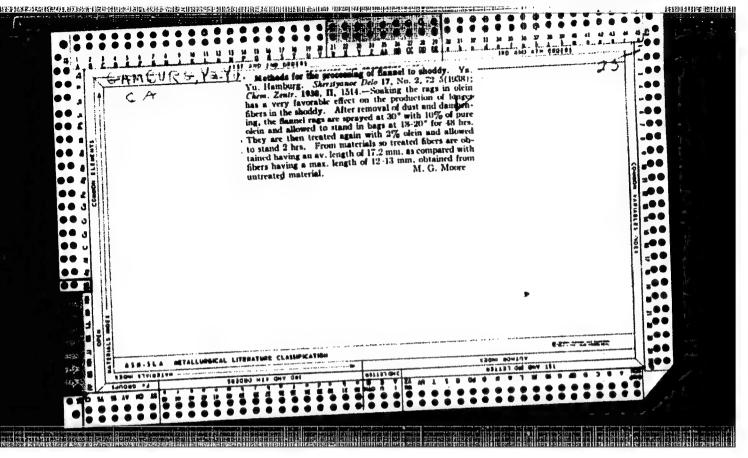
Quantitative aspect of the interaction between tunors and infectious viruses. Vop. onk. 11 nc.4:72-77 '65.

1. Iz laboratoril virusologii (zav. - doktor med.nauk G.Ya.Svet-Noldayskiy) Instituta eksperimental'uny i klinichaskoy onkologii Moldayskiy) Instituta eksperimental'nyy chlen AMN SSSR prof. N.N.

Blokhin).







GAMBURG, Ya.Yu.; POPOV, V.A., inshener po izobretatel'stvu.

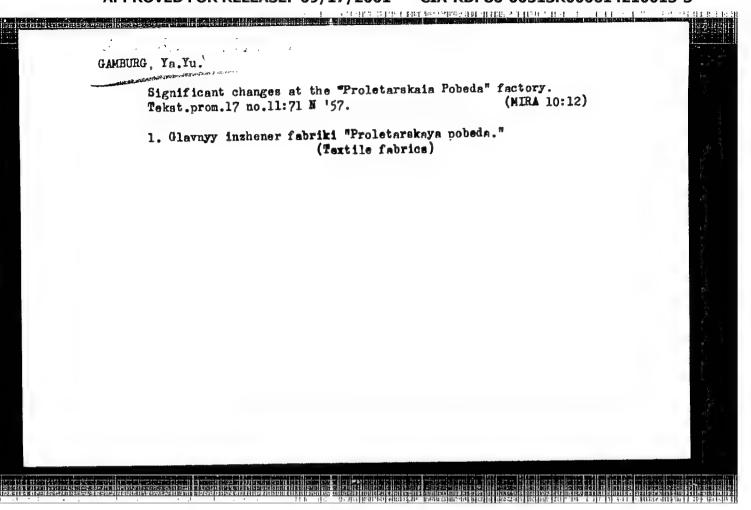
Improving the drawing-off of edge thread. Tekst.prom.14 no.2:53-54 y 154.

1. Glavnyy inzhener fabriki "Proletarskaya podeda" (for Gamburg).

(Weaving)

CAMBURG, Yakov Yul'yevich; ZELIKMAN, Izrail' Khatskelevich; NIKITIN, I.M., retsenzent; CUSEVA, Ye.M., redaktor; MEDVEDEVA, L.A., tekhnicheskiy redaktor

[Design, assembly, repair, and adjustment of carding machines in the production of cloth] Ustroistvo, montash, remont i naladka kardo-chesal'nykh apparatov sukonnogo proizvodstva. Izd. 2-oe. ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva tekstil'noi promyshl. SSSR, 1956. 169 p. (MLRA 9:10) (Carding machines)



uncerces in his impellines is a sum of

KOVALEV, F.L., kand tekhn.nauk, red.; CAMBURG, Ya.Yu., retsenzent; FORMAL'SKIY, M.I., retsenzent; KISELEY, M.A., retsenzent; PLEMYANNIKOV, M.N., red.; SOKOLOVA, V.Ye., red.; LIOZNOV, A.G., red.; KHAKNIN, M.T., tekhn.red.

[Menual on wool spinning] Spravochnik po sherstoprisdeniiu.
Pod red. F.L.Kovaleva. Izd.2., perer. i dop. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. 785 p.

(MIRA 13:12)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut sherstyanoy promyshlennosti.

(Woolen and worsted spinning)

GAMBURG, Ye.Yu.; YURTSEV, I.I.

Important problems in construction. Avtom., telem. i sviaz' 9 no.525-7 My '65. (MIRA 18:5)

l. Nachal'nik otdela kapital'nogo stroitel'stva Glavnogo upravleniya signalizatsii i svyazi Ministerstva putey soobshcheniya (for Gamburg). 2. Nachal'nik tekhnicheskogo otdela Glavnogo upravleniya po elektrifikatsii zheleznykh dorog Ministerstva transportnogo stroitel'stva SSSR (for Yurtsev).

KAPIAN, Pafael' Markovich, kand.tekhn.nauk; VAVILIN, Dmitriy Vasil'yevich, inzh.-mekh.; GaMBURG, Yefin Moiseyevich, inzh.-mekh.; SHVIDKO, Z., red.; NAGIBIN, P., tekhn.red.

[Mechanization of production processes on dairy farms] Mekhanizatsiia proizvodstvennykh protessev na MTF. Alma-Ata, Kazakhskoe gos. izd-vo, 1958, 172 p. (MIRA 11:12)

(Dairying) (Farm equipment)

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BRYLEYEV, A.M., laureat Stalinskoy premii, inzhener; GAMBURG, Ya.Yu., inzhener, retsenzent; GOLOVKIH, M.K., inzhener, retsenzent; KAZAKOV, A.A., kandidat tekhnicheskikh nauk, retsenzent; KUT'IN, I.M., do tsent, kandidat tekhnicheskikh nauk, retsenzent; LEONOV, A.A., inzhener, retsenzent; SEMENOV, N.M., laureat Stalinskoy premii, inzhener, retsenzent; CHERNYSHEV, V.B., inzhener, retsenzent; VALUYEV, G.A., inzhener, retsenzent; METTAS, N.A., laureat Stalinskoy premii, inzhener, retsenzent; MOVIKOV, V.A., dotsent, retsenzent; PIVOVAROV, A.L., inzhener, retsenzent; POGODIN, A.M., inzhener, retsenzent; KHODOHOV, L.R., inzhener, retsenzent; PIVOVAROV, A.L., inzhener, retsenzent; SHUPLOV, V.I., kandidat tekhnicheskikh nauk, retsenzent; KLYKOV, A.F., inzhener, retsenzent; YUDZON, D.M., tekhnicheskiy redaktor; VERIMA, G.P., tekhnicheskiy redaktor.

[Technical handbook for railroad men] Tekhnicheskii spravochnik shelesnodoroshnika. Vol. 8. [Signaling, central control, block system, and communication] Signalizateiia, tsentralizateiia, blokirovka, svias'. Red. kollegiia A.F.Baranov [1 dr.] Glav.red. E.F.Rudoi. Moskva, Gos. transp. shel-dor. isd-vo. 1952. 975 p. (Card 2) (MLRA 8:2) (Railroads--Signaling) (Railroads--Communication systems)

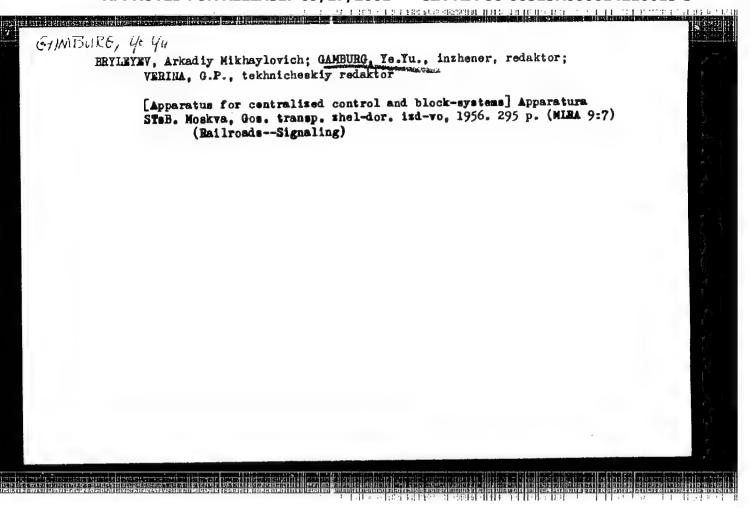
BARANOV, A.F., redaktor; BIZYUKIN, D.D., redaktor; VAKHNIH, M.I., otvetstvennyy redaktor toma, professor, doktor tekhnicheskikh mauk; YEDENISOV, B.M., redaktor; IVLIYEV, I.V., redaktor; MOSHCHUK, I.D., redaktor; RUDOY, Ye.F., glavnyy redaktor; SOKOLINSKIY, Ya.I., redaktor; SOLOGUBOV, V.N., redaktor; SHILEVSKIY, V.A., redaktor; ALFEROV, A.A., inzhener; ANASHKIN, B.T., inzhener; AFANAS'YEV, Ye.V., laureat Stalinskoy premii, inshener; BELINKO, K.M., dotsent; BORISOV, D.P., dotsent, kandidat tekhnicheskikh nauk; ZHIL'TSOV, P.N., inzhener; ZBAR, N.R., inzhener; IL'YENKOV, V.I., dotsent, kandidat tekhnicheskikh nauk; KAZAKOV, A.A., kandidat tekhnicheskikh nauk; KRAYZMER, L.P., kandidat tekhnicheskikh nauk; KOTLYAHENKO, N.F., dotsent, kandidat tekhnicheskikh nauk; MAYSHEV, P.V., professor, kandidat tekhnicheskikh nauk; MARKOV, M.V., inshener; WELBPETS, V.S., dotsent, kandidat tekhnicheskikh nauk; NOVIKOV, V.A., dotsent; ORLOV, B.A., inghener; PETROV, I.I., kandidat tekhnicheskikh nauk; PIVEO, G.M., inzhener; PO-GODIN, A.M., inzhener; RAMIAU, P.N., dotsent, kandidat tekhnicheskikh nauk; ROGINSKIY, V.N., kandidat tekhnicheskikh nauk; RYAZARTSEV, B.S., laureat Stalinskoy premii, dotsent, kandidat tekhnicheskikh nauk; SNARSKIY, A.A., inshener; FEL'DMAN, A.B., inshener; SHASTIN, V.A., laureat Stalinskoy premii, inzhener; SHUR, B.I., inzhener; GONCHUKOV. V.I., inzhener, retsensent; MOVIKOV, V.A., dotsent, retsensent; AFA-NAS'TEV, Ye.V., laureat Stalinskoy premii, retsenzent; [Technical handbook for railroad men] Tekhnicheskii spravochnik shelesnodorozhnika. Vol. 8. [Signaling, central control, block system, and communication] Signalizatsiia, tsentralizatsiia, blokirovka, svias'. Red. kollegiia A.F.Baranov [1 dr.] Glav.red. B.F.Budoi. Moakva, Gos. transp. shel-dor. izd-vo, 1952. 975 p. (Continued on next card)

(MIRA 9:4)

MARUSHKO, Fedor Ivanovich, dotsent; VELTISTOV, Petr Konstantinovich, inzhener; GAMBURG, Ye.Yu., inzhener, redaktor; VERINA, G.P., tekhnicheskiy redaktor

[Centralized relay code systems] Releino-kodovaia tsentralizatsiia. Moskva, Gos.transp. zhel-dor. izd-vo, 1955. 215 p.

(Railroads--Signaling)



AT BULKE, A. F.; ASKENDZI, YO. A.; VINCORADOV, G. F.; ANLINGV, A. U.; GRIGOR YEV, A. N.; D'YACHENKO, P. Ye.; ZALIT, H. N.; ZAKHAROV, P. M.; ZOBNIN, N. P.; IVANOV, I. I.; IL'IN, I. P.; KMETIK, P. I.; KUDRYAGEOV, A. T.; LAFSHIN, F. A.; MOLYARCHUK, V. J.; PERTSOVSKIY, L. M.; FOGODIN, A. M.; RUDOY, M. L.; SAVIN, K. D.; SIMONOV, K. S.; SITKOVSKIY, I. P.; SITKIK, M. D.; TETEREV, B. K.; TSETYRKIN, I. Ye.; TSUKANOV, P. P.; SHADIKYAN, V. S.; ADELUNG, N. N.; retsenzent; AFAMAS'YEV, Ye. V., retsenzent; VLASOV, V. I., retsenzent; VOROB'YEV, .I. Ye., retsenzent; VORONOV, H. M., retsenzent; GRITCHENKO, V. A., retsenzent; ZHEREBIN, M. N., retsenzent; IVLIYEV, I. V., retsenzent; KAPORTJEV, N. V., retsenzent; KOCHUROV, P. M., retsenzent; KRIVORUCHKO, H. Z., retsenzent; KUCHKO, A. P., retsenment; LOBAROV, V. V., retsenzent; MOROZOV, A. S. retsenzent; ORLOV, S. P., retsenzent; PAVLUSHKOV, E. D., retsenzent; POPOV, A. N., retsenzent; PROKOF 'YEV, P. F., retsenzent; RAKOV, V. A., retsenzent; SINEGUBOV, N. I. retsenzent; TERENIE, D. F., retsenzent; TIKHOMIROV, I. G., retsenzent; URBAN, I. V., retsenzent; FIALKOVSKIY, I. A., retsenzent; CHEPYZHEY, B. F., retsenzent; SHEBYAKIN, O. S., retsenzent; SHCHERBAKOV, P. D. retsenzent; GARNYK, V. A., redsktor; LOMAGIN, N. A., redsktor; MORDVINKIN, N. A., redsktor; NAUMOV, A. N., redaktor; POBEDIN, V. F., redaktor; RYAZANTSEV, B. S., redsktor; TVERSKOY, K. N., redsktor; CHEREVATYY, N. S., redsktor; ARSHINOV, I. M., redaktor; BABELYAN, V. B., redaktor; BERNGARD, K. A., redaktor; VERSHINSKIY, S. V., redaktor; GAMBURG, Ye. Yu., redaktor; DERIBAS, A. T., redaktor; DOMBROVSKIY, K. I., redaktor; KURNEYEV, A. I., redsktor; MIKHEYEV, A. P., redsktor; MOSKVIN, G. N., redsktor; RUBINSHTEYN, S. A., redektor; TSYPIN, G. S., redektor; CHERNYAVSKIY, V. Ya., redsktor; CHERNYSHEV, V. I., redsktor; CHERNYSHEV, M. A., redsktor; SHADUR, L.A., redsktor: SHISHKIN, K. A., redsktor.

ALFEROV, A. A.--- (continued) Card 2

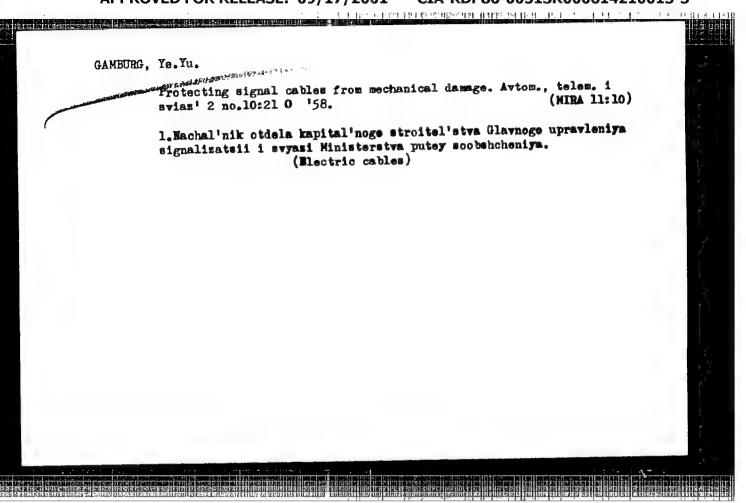
(Reilroad handbook) Sprevochneis knizhke zheleznodorozhnike, Izd.
3-e, ispr. i dop. Pod obshchei red. V. A. Gernyke. Moskva. Gos.
transp. zhel-dor. izd-vo, 1956, 1103 p. (MLRA 9:10)

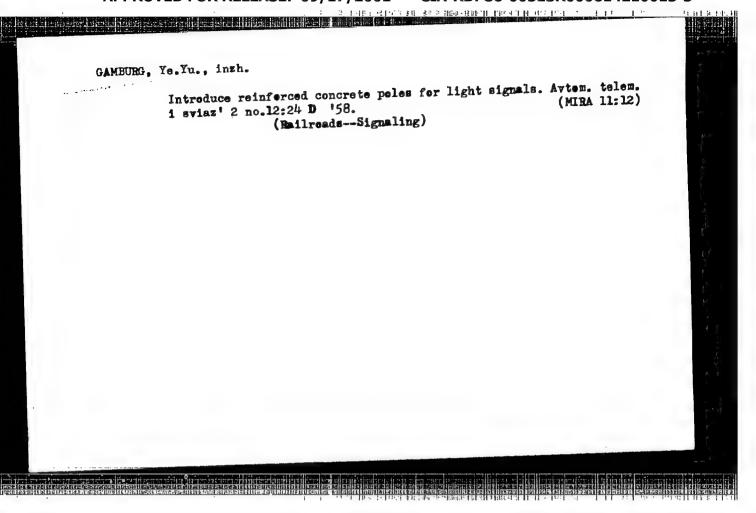
1. Neuchno-tekhnicheskoye obshchestvo zheleznodorozhnogo transporta.
(Reilroads)

LUPAL, Nikolay Vasil'yevich, professor; PEREBOROV, Aleksandr Sergoyevich, dotsent; RATNIKOV, Vladimir Dmitriyevich, inzhener; SEDOV, Viktor Hikolayevich, dotsent; GAMENGO, Ye.Ym., redaktor; RAKIYO, E.I., redaktor; HHTROV, P.A., Tekhnichenkiy redaktor

[Automatic control and telemechanics at railroad stations; remote control of switches and signals] Avtomatika i telemekhnnika ma stantsiisikh; teleuprovlenie strelkami i signalami. Pod obshchai red. N.V.Lupala. Moskva, Gos.transp.zhel-dor. izd-vo, 1956. 395 p. (Reilroads--Signaling) (Railroads--Sitches) (Remote control)

(Remote control)



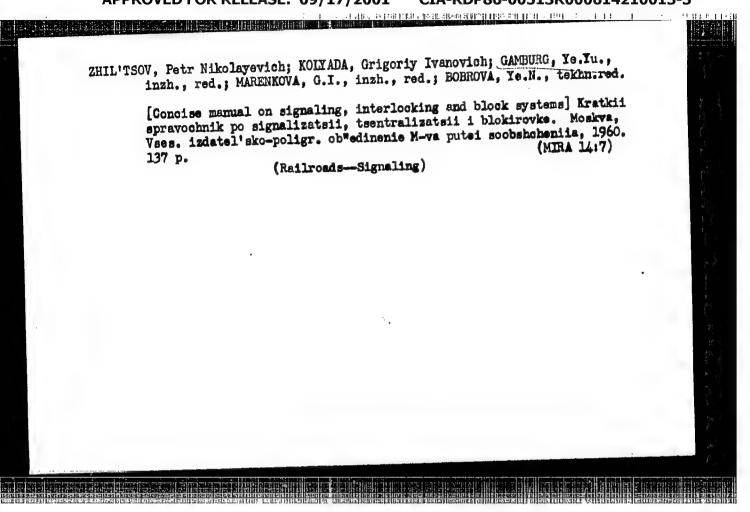


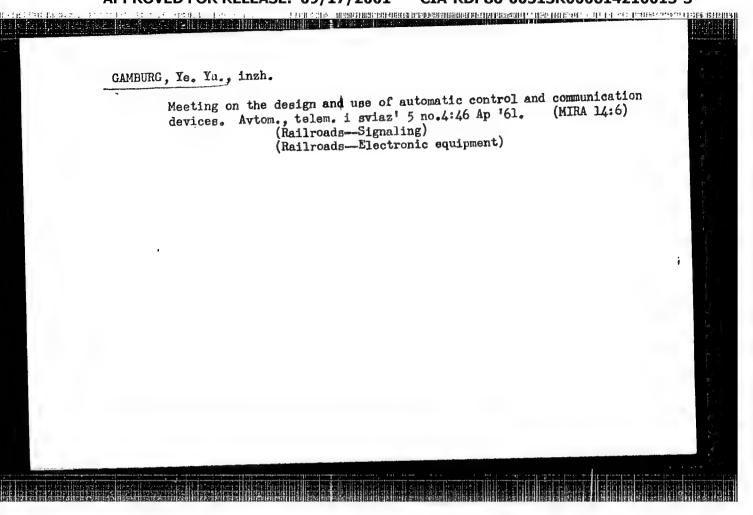
GAMBURG, Ye.Yu.; KHLEBODAROVA, I.V., insh.

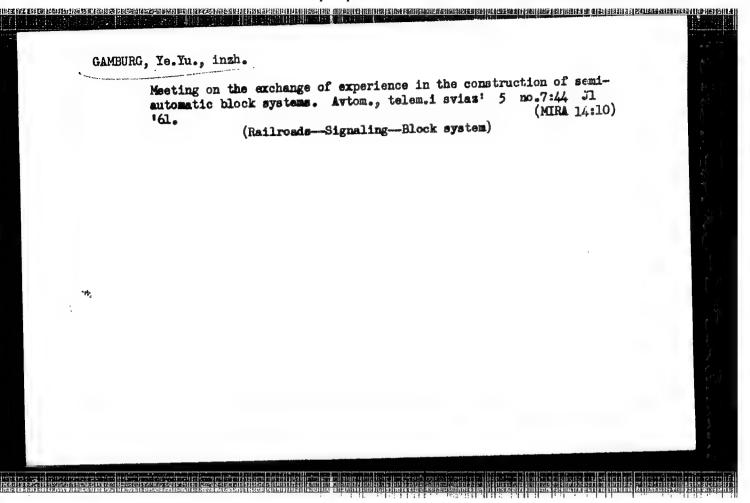
Reorganization of communications on the Krasnovarsk and Rastern Siberian Railroads. Avtom.telem.i svias; 3 no.10; (MIRA 13;2)

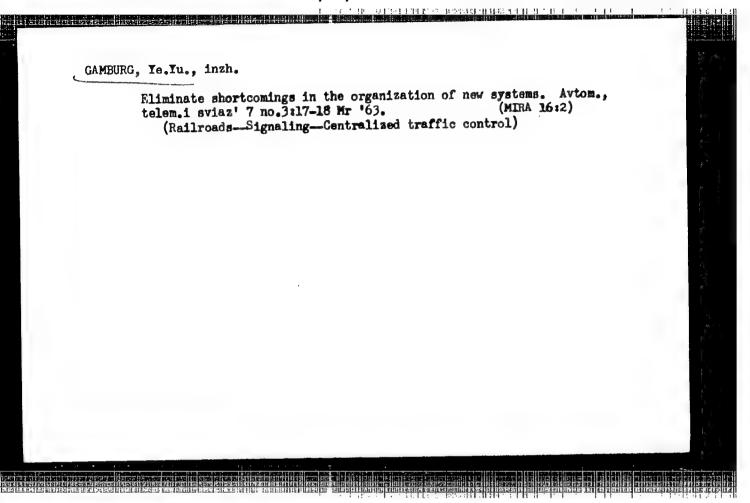
1. Nachal'nik otdela Glavnogo ugravleniya signalizatsii i svyasi Ministerstva putey soobshcheniya (for Gamburg).

(Siberia, Eastern-Railroads-Telephone)









YURTSEV, I.I.; GAMBURG, Ye.Yu.

New regulations for receiving and placing in operation new equipment of automatic block systems, electric interlocking, and centralized traffic control systems. Avtom., telem. i sviaz' 7 no.8:16-17 Ag '63. (MIRA 16:9)

1. Nachal'nik tekhnicheskogo otdela Glavnogo upravleniya po elektrifikatsii zheleznykh dorog Ministerstva transportnogo stroitel'stva SSSR (for Yurtsev). 2. Nachal'nik otdela kapital'nogo stroitel'stva Glavnogo upravleniya signalizatsii i svyazi Ministerstva putey soobshcheniya (for Gamburg). (Railroads—Electric equipment)

GAMBURG, Ye,Yu.

Construction operations should be carried out well and on time. Avtom., telem. i sviaz' 8 no.5:19-20 My '64.

(MIRA 17:10)

1. Nachal'nik otdela kapital'nogo stroitel'stva Glavnogo upravleniya signalizatsii i svyazi Ministerstva putey soobshcheniya.

\$1550 \$/076/62/036/010/003/005 B101/B186

AUTHORS:

Bek, R. Yu., Gamburg, Yu. D., and Kudryavtsev, N. T.

TITLE:

Electrodeposition of bright copper with superposition of

a-c on d-c

Zhurnal fizicheskoy khimii, v. 36, no. 10, 1962, 2244-2245

PERIODICAL: TEXT: The effect of a nickel sublayer on the brightness of electrodeposited copper was studied. A bright nickel sublayer was obtained from an electrolyte containing 170 g/l NiSO4 7H20, 30 g/l H3BO3, 12 g/l KCl, and 6 g/l naphthaline disulfonic acid with a pH of 4 - 6, at a current density given by V. V. Ostroumov and I. F. Plokhotnikova (Zh. prikl. khimii, 1520, 1668, 1958). However, copper deposited on it from an electrolyte containing 200 g/1 CuSO4.5H20 and 100 g/1 H2SO4 stayed matt even when quinaldine or coumarone had been added to the nickel electrolyte. Polishing of the sublayer was also ineffective. Increase in the current density to 13 - 17 ma/cm² at 18°C and to 21 ma/cm² at 25°C caused the " Card 1/3

S/076/62/036/010/003/005 B101/B186

Electrodeposition of bright copper with ...

formation on the nickel of a matt, bluish thin coating of Ni oriented along the (011) axis. At an optimum ratio $D_{a-c}/D_{d-c}=1.10-1.15$, very bright copper deposits with a high reflecting power were obtained on such sublayers with a thickness not less than $7-8~\mu$. Increase of the ratio to more than 1.2, reduced the brightness and a change in the d-c density from 3 to 10 a/dm² had no effect as long as D_{a-c}/D_{d-c} remained unchanged.

An X-ray analysis shows that the bright copper plating obtained by a-c superposition is oriented along the (125) axis and its texture could be characterized in individual cases as quasi-microcrystalline, whereas copper deposited on a non-oriented Ni sublayer has a texture oriented along the (011) axis. This confirms the assumption of Ostroumov and Plokhotnikova that the sublayer structure has an orienting effect on the crystallization of the first copper layer. The authors, however, assume that the orienting effect depends not on cathode passivation, but on other factors, such as a reduced oversaturation with a-c during electrolysis, which means a shift in conditions for the formation of seed crystals toward equilibrium. There are 2 figures.

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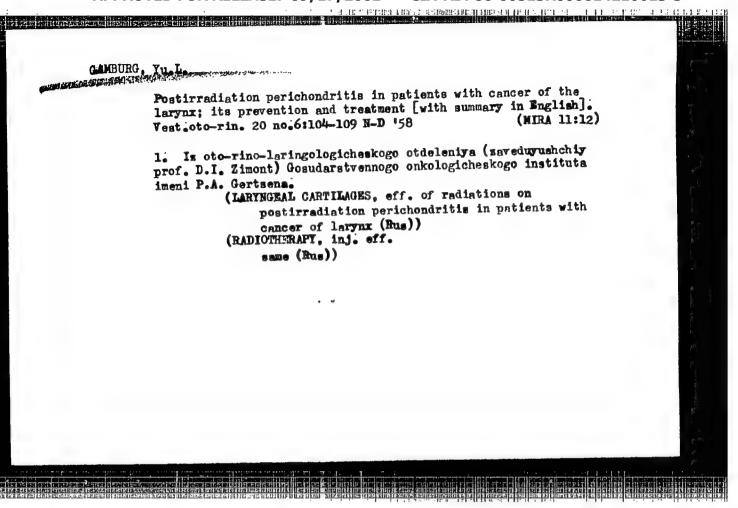
Electrodeposition of bright copper with...B101/B186

MKhTI im. D. I. Mendeleyeva, Kafedra elektrokhimicheskikh proizvodstv (MKhTI imeni D. I. Mendeleyev, Department of ASSOCIATION:

Electrochemical Productions)

February 16, 1962 SUBMITTED:

Card 3/3



GAMBURG, Yu.L., kand.med.muk

Osteoma of the larynx. Vest. ctorin. 25 no.5:93-99 S-O '63.

(MIKA 17:4)

1. Iz poliklinicheskogo otdeleniya Moskovskogo gorodskogo cnkologicheskogo dispansera.

L 09166-67 EMT(m)/EMP(t)/ETI IJP(c) JD SOURCE CODE: UR/0364/66/002/CO4/0487/0491 ACC NR: AP7002303 3.8 AUTHOR: Polukarov, Yu. M.; Gamburg, Yu. S. ORG: Institute of Physical Chemistry, AN SSSR (Institut fizicheskoy khimii AN SSSR); Moscow Chemical Engineering Institute im. D. I. Mendeleyev, Moscow (Moskovskiy khimiko-tekhnologicheskiy institut) TITLE: Radiographic investigation of crystal lattice defects in electrolytic copper deposits SOURCE: Elektrokhimiya, v. 2, no. 4, 1966, 487-491 TOPIC TAGS: crystal lattice defect, electrodeposition ABSTRACT: The authors study defects formed in the crystal lattice of copper during electrodeposition from cyanide and acid solutions. It is found that copper deposits electrodeposition from cyanide and acid solutions with surface-active additives contain from sulfuric and perchloric acid solutions with surface-active additives contain crystal lattice packing defects of the deformation type. The packing defect concentration may reach 1.4%. The highest numbers of packing defects are formed at cathod potentials which correspond to adsorption of the surface-active agents. Orig. art. has: 4 figures and 1 table. [JFRS: 36,171] SUB CODE: 11, 20 / SUBM DATE: O2Jun65 / ORIG REF: OO6 / OTH REF: Ol0			917 11 11 12 7 13 41
ORG: Institute of Physical Chemistry, AN SSSR (Institut fizicheskoy khimii AN SSSR); Moscow Chemical Engineering Institute im. D. I. Mendeleyev, Moscow (Moskovskiy khimiko-tekhnologicheskiy institut) TITIE: Radiographic investigation of crystal lattice defects in electrolytic copper deposits SOURCE: Elektrokhimiya, v. 2, no. 4, 1966, 487-491 TOPIC TAGS: crystal lattice defect, electrodeposition ABSTRACT: The authors study defects formed in the crystal lattice of copper during electrodeposition from cyanide and acid solutions. It is found that copper deposits electrodeposition from sulfuric and perchloric acid solutions with surface-active additives contain from sulfuric and perchloric acid solutions with surface-active additives contain crystal lattice packing defects of the deformation typo. The packing defect concentration may reach 1.4%. The highest numbers of packing defects are formed at cathod potentials which correspond to adsorption of the surface-active agents. Orig. art. has: 4 figures and 1 table. [JFRS: 36,171] SUB CODE: 11, 20 / SUBM DATE: O2Jun65 / ORIG REF: OO6 / OTH REF: Ol0		SOURCE CODE: OR ODAY COY	
TOPIC TAGS: crystal lattice defect, electrodeposition ABSTRACT: The authors study defects formed in the crystal lattice of copper during electrodeposition from cyanide and acid solutions. It is found that copper deposits electrodeposition from cyanide and acid solutions with surface-active additives contain from sulfuric and perchloric acid solutions with surface-active additives contain crystal lattice packing defects of the deformation type. The packing defect concentration may reach 1.4%. The highest numbers of packing defects are formed at cathod potentials which correspond to adsorption of the surface-active agents. Orig. art. has: 4 figures and 1 table. [JPRS: 36,171] SUB CODE: 11, 20 / SUBM DATE: O2Jun65 / ORIG REF: O06 / OTH REF: O10	ORG: Mosc khir TITI depe	Institute of Physical Chemistry, AN SSSR (Institut fizicheskoy khimii AN SSSR); ow Chemical Engineering Institute im. D. I. Mendeleyev, Moscow (Moskovskiy iko-tekhnologicheskiy institut) 3: Radiographic investigation of crystal lattice defects in electrolytic copper sits	
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ACCESSION NR: AT4031809

S/2914/62/000/079/0039/0041

AUTHOR: Gamburger, A. G.; Ustinov, V. S.

TITLE: The use of a log and echo-sounding during navigation in ice

SOURCE: Leningrad. Tsentral'ny*y nauchno-issledovatel'skiy institut morskogo flota. Informatsionny*y sbornik, no. 79, 1962. Sudovozhdeniye i svyaz' (Navigation and communications), no. 20, 39-41

TOPIC TAGS: depth finder, navigation aid, sonic depth finder, echo sounding, log depth finder, ice navigation, hydrodynamic shock, log receiver

ABSTRACT: The stem-mounted log receiver MGL-25 was shown to be unsuitable for navigation in ice for two reasons: the opening of the dynamic tube gets clogged with ice, which prevents the normal functioning of the device, and the hydrodynamic shock which results from collisions between the stem and the ice, and which can reach values of 16 kg/cm², causes the sylphon membranes to rupture. A preventive measure applied during overhaul was to weld a protective shield above the opening of the dynamic tube to keep the ice away. The resultant change in dynamic characteristics was sufficiently small so that it could be compensated for by readjusting the log controls. The final error for velocities of 8-17 knots was 1-1.5%. To protect the sylphons, a spring-loaded valve was mounted in

ACCESSION NR: AT4031809

the upper portions of the dynamic system and adjusted to a maximum pressure of 2.6 kg/cm². During ice navigation, a significant amount of air collects in the static tube. A draining pipe connected to the static tube air collector above the level of the water corrected this condition." It was concluded that the log receiver may be used for ice navigation even though an automatic cleaning system for the dynamic tube is desirable. The membranes of the transducer of the sonic depth finder NEL-5 which are 3mm thick steel were found inadequate to withstand the collision shock with ice. To correct this, the transmission must take place directly through the ship's bottom or the membrane diameter must be decreased to 100-150 mm and its thickness increased to 6-8 mm. The noise impulses which result from collisions between the ice and the ships body rendered the NEL-5 depth finder completely insensitive to a received signal because the condenser in the plate circuit of the thyratron amplifier was constantly discharged by noise. In 1961, a comparison was made between the NEL-5 and a shallow water depth finder with a transformer coupled amplifier. The sensitivity of the latter was found far superior at depths of 1-50 meters and the saturation by noise was insignificant.

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ACCESSION NR: AT4031809

ASSOCIATION: Tsentral'ny y nauchno-issledovatel'skiy institut morskogo flota, Loningrad (Central Naval Scientific Research Institute)

SUBMITTED: 00

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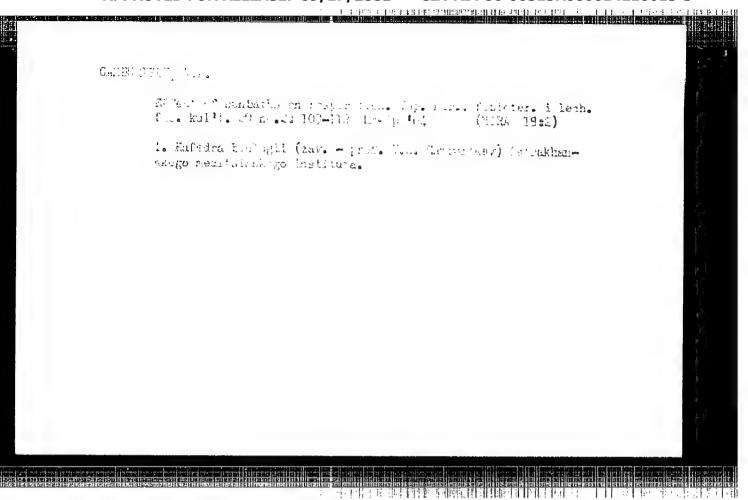
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BOOK EXPLOITATION

3/

Kondrat'yev, Oleg Konstantinovich; Gamburtsev Asariy Grigor'yevich

Seismic investigations at the littoral part of the Eastern Antarctic Continent (Seysmicheskiye issledovaniya v pribreshnoy chasti Vostochnoy Antarktidy*) Moscow, Izd-vo AN SSSR, 63. 0197 p. illus., biblio. 800 copies printed. At head of title: Akademiya nauk SSSR. Institut fisiki Zemli im. 0. YU. Shmidta.

TOPIC TAGS: antarctic, Soviet antarctic expedition, seismology, seismic prospecting, reflected seismic wave, refracted seismic wave, seismic wave interpretation

PURPOSE AND COVERAGE: The book is devoted essentially to the results of work of the second Soviet antarotic expedition, and is simed at the development of a procedure for seismic investigations of the ice cap and determination of the thickness of the latter, study of the structure and determination of the seismic characteristics of rocks in the ice cover and the foundation of the continent, and clarification of the nature of the registered waves and the study of the physics of their formation and propagation. Most attention is paid to an Cord 1/3

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analysis of refracted waves, which have been hitherto less investigated. In addition to an analysis of the experimental data, there is a theoretical investigation of the propagation of waves in a gradient medium and a discussion of methods of interpretation of their characteristics. The first part was written by 0. K. Kondrat'yev, while the third part was written by 0. K. Kondrat'yev and A. G. Camburtsev jointly. The authors thank L. I. El'chaninova who performed the main technical work on calculations and arranging the book.

TABLE OF CONTENTS [abridged]:

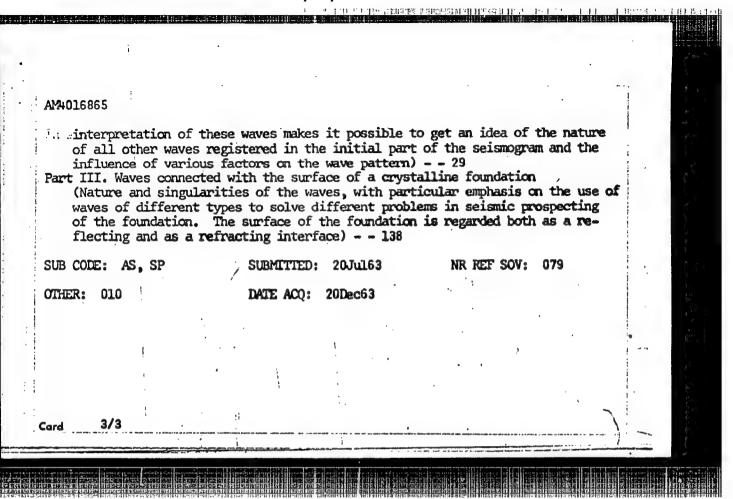
Introduction - - 3

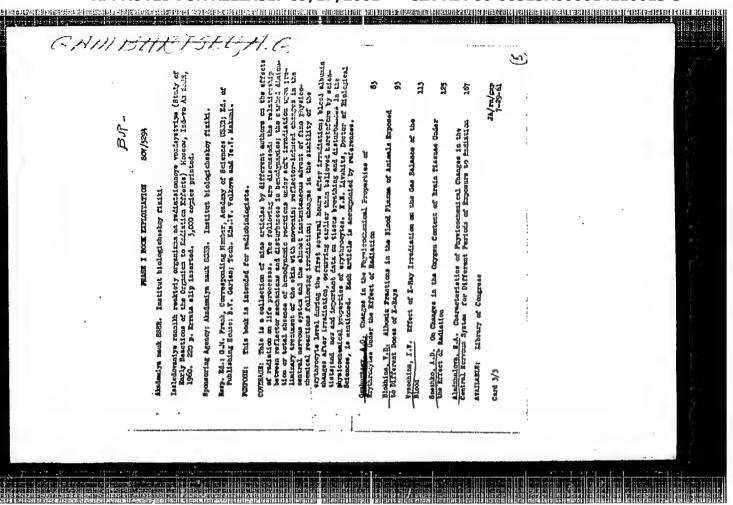
Part I. General information of the scope of the work, investigation procedure, and character of the data obtained (Basic information on the structure of the medium, procedure, and type of registered waves; experimental conditions, needed for a correct understanding of the problems dealt with in the succeeding parts.) - 5

Part II. Waves in a gradient medium

(Both theory and practice. Particular attention is paid to longitudinal reflected waves used to obtain data on the structure of the medium. Study and

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L 15322-65 Pa-h/Pb-h AFWL/SSD/AS(mp)-2/AMD/AFTC(b)
ACCESSION NR: APholi2h80 S/0217/6h/009/004/0508/0515

AUTHOR: Gamburtseva, A. G.; Glagoleva, V. V.; Basurmanova, O. K.

TITLE: Mitochondrion ultrastructure changes of various tissues under the influence of certain effects

SOURCE: Biofizika, v. 9, no. 4, 1964, 508-515

TOPIC TAGS: cell cytoplasm, mitochondrion, ultrastructure change, rat, white mouse, cricket, functional shift effect, ether, fatigue, flashing light, electron microscope

ABSTRACT: To determine whether the ultrastructure of mitochondria is affected by body functional changes, fatty tissues of young rats under ether, sartorius muscles of fatigued white mice, and eye ganglia of crickets with a light flashing on the retina were investigated and preliminary results are reported. Tissues were fixed in a 1% OsO₁ solution in a veronal-acetate buffer (pE 7.4) at a temperature of approximately O°C, and the fixing time varied from 1.5 to 4 hrs depending on tissue type. The dehydrated tissues were then covered with a methyl- and butyl-methacrylate mixture (1:4) and polymorized in a thermostat at 45°C. Ultrathin sections were cut with a LKV Cord 1/2

L 15322-65 ACCESSION NR: APhoh2h80

ultratome, stained, and examined with a UEM-100 electron microscope. Three types of mitochondrion ultrastructure changes were found: formation of large vacuoles markedly separated from the rest of the mitochondria, formation of membrane agglomerates, and formation of osmiophil granules. All of these changes were the result of reversible vital functional shifts produced by external factors. Whether all three types of mitochondrion ultrastructure change are different stages of the same process or are specific for each case is difficult to determine at this time. The investigation data confirm literature studies which indicate that mitochondria are the first to react to various chemical, physical, and functional influences by changing their organizational structure. Orig. art. has: 9 figures.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR, Muscow (Biological Physics Institute, AN SSSR)

SUBMITTED: 04Apr64

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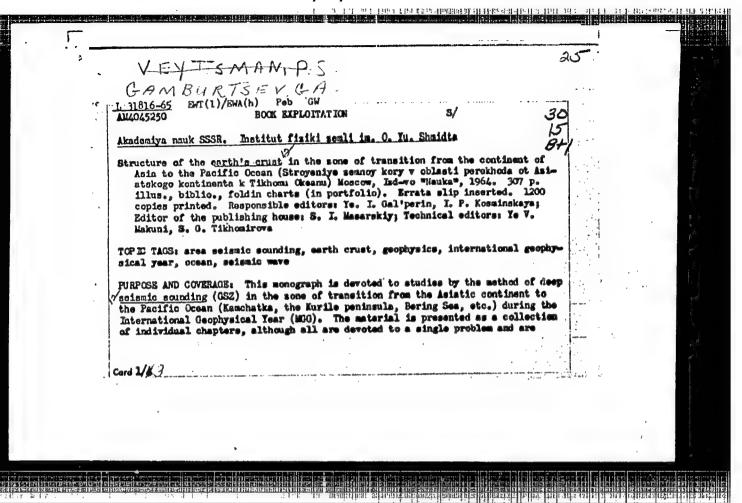
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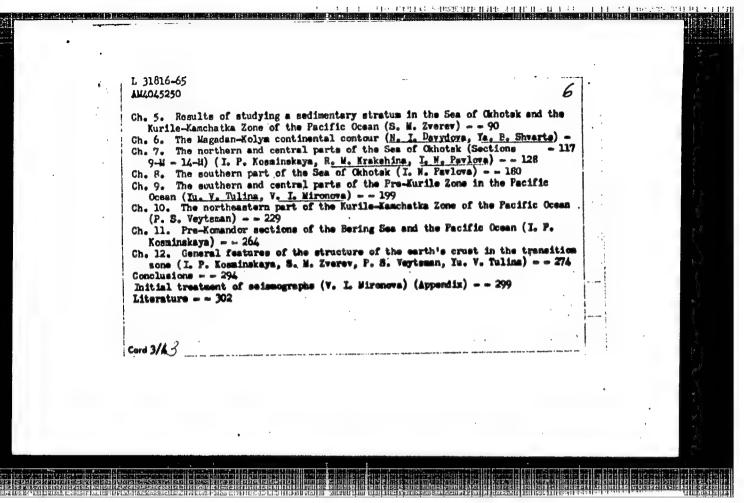
REZANOV, I.A.; RASTVOROVA, V.A.; LEONOV, N.N.; Prinimali uchastiye:
ANDREY.V, S.S.; GAL'PERIN, Ye.I.; DONABEDOV, A.T.; KATS, A.Z.;
KOSMINSKAYA, I.P.; LEONOV, H.N.; MASARSKIY, S.I.; MEDVEDEV,
S.V.; PETRUSHEVSKIY, B.A.; FUCHKOV, S.V.; RASTVOROVA, V.A.;
REZANOV, I.A.; SAVARRNSKIY, Ye.F.; KHARIN, D.A.; Red karty:
GAMBURTSEV, G.A.

Establishment of detailed seismic regions as exemplified by a region of western Turkmenistan. Biul. Sov. po seism. no.8: 131-141 '60.1. (MIRA 13:10)

1. Institut fiziki Zemli AN SSSR.
(Turkmenistan--Seismology)



	1 there express their gratitude to Professoring subgroup of the Sovetskiy Natsional'myy	
Komitet, initiator and organiser of Co	f Sciences of the USSR V. V. Belousov. y A. G. Aver'yanov, P. S. Vertenan, Ie. I.	
I. Cal'perin) 7 Ch. 2. Dividing the region for inves seismic material (I. P. Kominskay Ch. 3. Special kinematic characteria	tigation into somes according to types of (a) 12 (tics of multiple waves connected with deep (a 2) (b) 2)	
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GAMBURISEV,

USSR/Human and Animal Morphology. Skeleton.

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69649.

Author : Camburtsev, V.A.

: Moscow State University.

: Position of the Pelvis, Form of the Spinal Column, Inst and Respiratory Excursions of the Thorax in the Title

Postnatal Period of Human Growth.

Crig Pub: In the collection: Materialy konferentsii po morfol.

cheloveka. Moscow, MGU, 1956, 34-72.

Abstract: Results are presented on developmental anthropometric studies of 16,767 persons of both sexes from birth to 25 years of age, carried out by the author by means of "dynamic sometometry". A "sliding circle-goniometer" was devised which

: 1/3 Card

USSR/Human and Animal Morphology. Skeleton.

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69649.

age and of adults engaged in physical labor, athletes (3100 subjects - skiers, swimmers, gymnasts, etc.), circus artists, "contortionists", etc. Decause of its abundance, the material admitted of statistical treatment and of interpolation smoothing of curves of age dynamic with respect to all primary indicators and indices. The findings are presented, in addition to graphs, in the form of a number of tables which are suitable as source material for further studies on the influence of positive (sport, therapeutic physical exercise, health resorts, etc.) and negative (incorrect posture, occupational influences, etc.) factors on the growth of the young organism. -- N.A. Dernshteyn.

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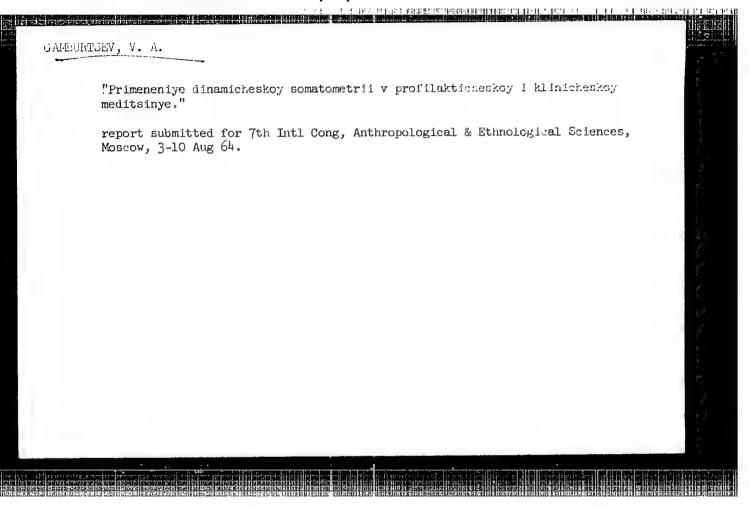
GAMBURTSEV, V.A. EXCERPTA MEDICA Sec.2 Vol.10/3 Physiology March 57 1266, GAMBURCEV V.A. Dept. of Gen. Biol., Yaroslav Med. Inst. * Dynamics of development of the curvatures of the vertebral column in relation to the position of the pelvis. Determination of the posture of the human body (Russian text) ARKH. ANAT. HISTOLOG. EMBRIOL. 1956, 33/1 (75-80) Illus. 5 Measurement of the spinal curvatures with specially constructed calipers permit evaluation of the static and dynamic functions of the spine in relation to the positions of the pelvis, thoracic cage and shoulder girdle and their mobility. The angles between perpendicular and the axes of the following structures were measangles between perpendicular and the axes of the following structures were measured: sacrum (α), lumbo-lower dorsal segment (β), upper dorsal segment (γ) and the plane of inclination of the pelvis (x_1). The following combined angles are defined: sacro-pelvic ($\gamma = x_1 + \alpha$), index of lumbar lordosis ($\alpha + \beta$); angle of lumbar lordosis = 180 - ($\alpha + \beta$); the static index of the body $\Psi = x_1 + 2(\alpha + \beta)$ shows the relative position of the lumbosacral curve and the pelvis. Statistical evaluation of the results of measurements on 17,000 persons shows that the spines of infants and pre-schoolchildren present little in the way of spinal curvatures and that the posture of the body as a whole is nearly vertical. The change in the position of the pelvis towards more horizontal takes place very actively until 16 years of age. After that age in the male the angle of inclination of the pelvis goes on increasing and the lumbar part of lumbar lordosis develops. In the female the angle of inclination of the pelvis diminishes and the sacral part of lumbo-sacral lordosis develops. The dorsal kyphosis is more pronounced in the male than in the female. The changes in the indices of the spinal curvatures during growth of the individual progress according to a law, and can be expressed graphically by parabolae of the 2nd, 3rd and 4th orders. Tables permit evaluation of the effects of prophylactic and therapeutic measures and of the departure from normal of the spinal curvatures and posture. References 7. Fediai - Leningrad (I, 2, 9)

GAMBURTSEV, V. A., prof.

Goniometric investigations in patients with diseases and injuries of organs of the motor apparatus. Khirurgiia, Sofia 14 no.1:9-23 '61.

1. Meditsinski institut, Astrakhan (SSSR).

(MOVEMENT)



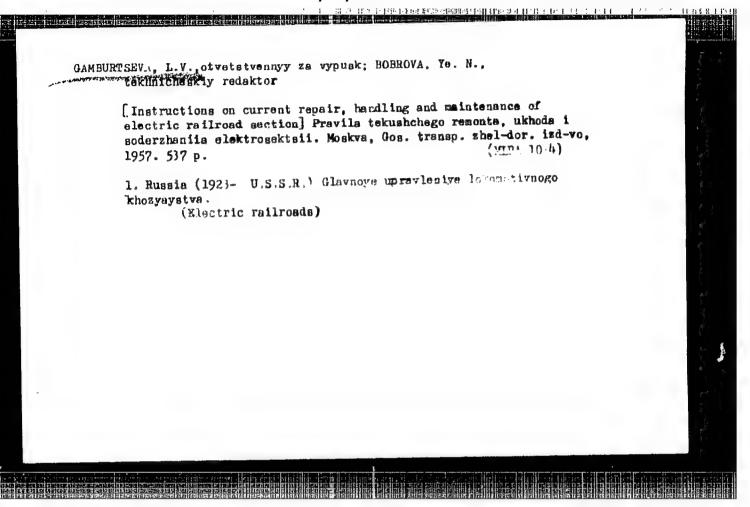
GAMBURTSEVA, A., LACAREV, F. P. and SHAFOSHINKGV, B., ABRIMOSCV, S.

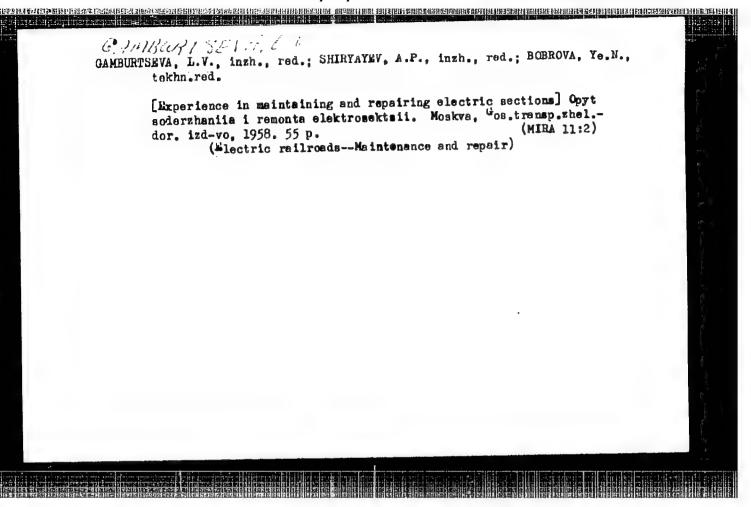
"The Effect of the Illumination of the Human Skin on the Adaptation of Peripheral Vision", Dokl AN SSSR, Vol. 2, No. 1/2, 1934.

GAMBURTSEVA, A.G.; GLAGOLEVA, V.V.; BASURMANOVA, O.K.

Changes in the ultrastructure of mitochondria from various tissues under the influence of some agents. Biofizika 9 no.4:508-514 '64. (MIRA 18:3)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.





PETROV, Viktor Hikolayevich; SHEVCHENKO, Vladimir Trofimovich; GAMBURTSEVA,
L.V., inzh., red.; BORROVA, Ye.M., tekhn.red.

[Operation and repair of ER1 electric trains] Opyt eksplustatsii
i remonta elektroposadov ER1. Moskva, Vses.izdatel'sko-poligr.obj remonta elektroposadov ex1. Moskva, Vses.izdatel'sko-poligr.obyedinenie M-va putei soobshcheniia, 1960. 60 p. (MIRA 13:9)

(Electric railroads)

GAMBURTSEVA, L.V., otv. za wypusk; BOBROVA, Ye.N., tekhn.red.

[Rules for current repair, care and maintenance of electric sections] Pravila tekushchego remonta, ukhoda i soderzhaniia elektrosektsii. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 543 p. (MIRA 13:5)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo khozyaystva.
(Electric railroads--Holling stock)

GAMBURTSEV, V.A., prof.

A goniometric method for static and dynamic function tests of the joints of the extremities and of the spinal column. Khirurgiia, Sofia 13 no.12:1021-1037 '60.

1. Meditsinski institut, gr. Astrakhan (SFINE physiol) (JOINTS physiol)

VESHEV, A.V., redaktor; GAMBURTSEVA, Ye.Ye., redaktor; GUROVA, O.A., tekhnicheskiy redaktor.

[Geophysical methods of prospecting; a collection of articles]
Geofizicheskie metody razvedki; sbernik statei. Moskva, Gos.
nauchno-tekhn.isd-vo lit-ry po geologii i okhrane nedr, 1955.
68 p.

(MLRA 9:1)

1. Mewcow.Vsesoyuzayy nauchno-issledovatel'skiy institut
razvedchnoy geofiziki.

(Prospecting-Geophysical methods)

ARASHKEVICH, V.M., dotsent; VESELOV, A.I., professor; YOLOTKOVSKIY,

S.A., professor; ZHUKOV, L.I., dotsent; IPPOLITOV, M.D., dotsent;

KUTYUKHIN, P.I., dotsent; KOMPANETETS, V.P., dotsent; MALAKHOV,

A.Ye., professor; NEUDACHIN, G.I., dotsent; RYABUKHIN, G.Ye.,

professor; SAKOVTSEV, G.P., dotsent; STOYLOV, B.A., dotsent; TROP, A.Ye., dotsent; FEDOROV, S.A., professor; YAROSH, A.Ye., dotsent, redaktor; TARKHOV, A.G., redaktor; GAMBURTSEVA, Ye.Ye., redaktor; GUROVA, O.A., tekhnicheskiy redaktor:

[Collection of articles on geophysical methods of prospecting]
Sbornik statei po geofizicheskim metodam razvedki. Moskva.Gos.
nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1955. 109 p.
(MLRA 8:11)

 Sverdlovsk.Gormy institut. (Prospecting-Geophysical methods)

LOGACHEV, A.A.; GAMBURTSINA, Ye.Ye., redaktor; POPOV, N.D., tekhnicheskiy redaktor.

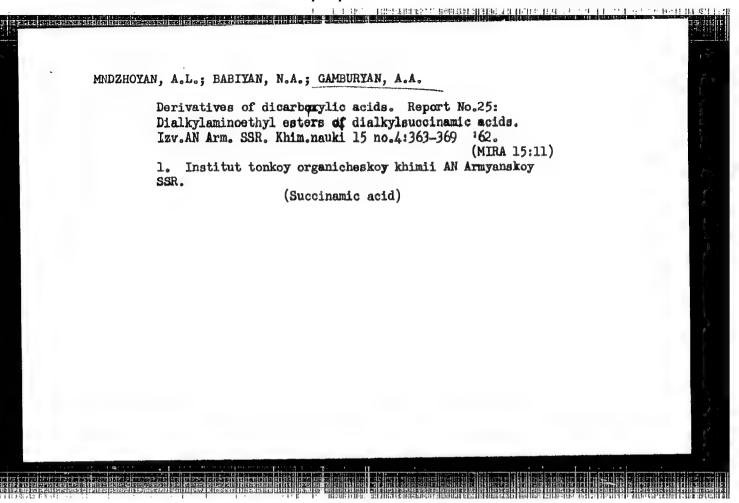
[Methods manual on magentic aerial surveying] Metodicheskoe rukovodstvo po aeromagnitnoi s2emke. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr, 1955. 145 p.(MLHA 8:10) (Magnetism, Terrestrial) (Surveying)

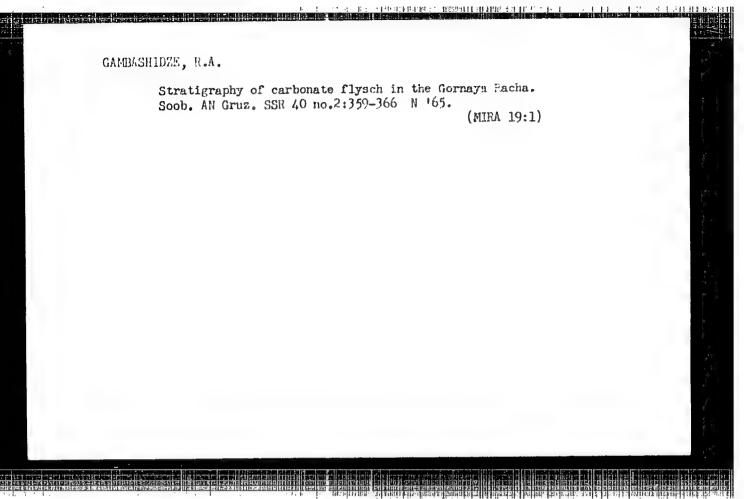
TINHOMIROV, Vladimir Vladimirovich; KHAIM, Viktor Yefimovich; KELGUSOV, V.V., redaktor; GAMBURTSEVA, Ye.Ye., redaktor; GUROVA, O.A., tekhnicheskiy redaktor.

[Brief eketch en the history of geology] Kratkii echerk istorii geologii. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po geol. i chrame nedr, 1956. 259 p. (MLRA 9:5)

1.Chlen-korrespondent AM SSSR (for Belousov).

(Geology—Mistery)





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MNDEHOYAN, A.L.; MEDNIKYAN, G.A.; BABIYAN, N.A.; GAMBURYAN, A.A.; SHAKARYAN, Zh.A.

Study in the field of dibasic carboxylic acids. Part 27: Dialkylaminoethyl esters of alkylthiosuccinic acids and their curare-like activity. Izv. AN Arm.SSR. Khim. nauki 18 no.2: 186-192 '65. (MIRA 18:11)

1. Institut tonkoy organicheskoy khimii AN ArmSSR. Submitted April 9, 1964.

ADONTS, G.T.; AYRAPETYAN, G.A.; AKOPDZHANYAN, G.D.; GALBUAYAN, K.A.

Investigation of the stability of the Transcaucasian Electric Power System in conjunction with the introduction of Mingechaur-Aterbekyan intersystem electric power transmission. Izv. AN Arm.SSR.Ser.tekh. nauk 13 no.6:19-38 **160. (NIRA 14:3)

1. Institut elektrotekhniki AN Armyanskoy SSR. (Transcaucasia—Interconnected electric utility systems)

ADONTS, G.T.; AKOPDZHANYAN, G.D.; GAMBURYAN, K.A.; MARTIROSYAN, M.A.

Model of a.c. electric networks developed by the Academy of Sciences of the Armenian S.S.R. Izv. AN Arm. SSR Ser. tekh. nauk 14 no.6:3-14 61. (MIRA 16:8)

1. Institut energetiki AN Armyanskoy SSR.

GAMBURYAN, K.A.

Using the electronic enalog computer in simulating loads of a.c. network analyzers. Izv. AN Arm. SSR. Ser. tekh. neuk 17 no.11 (MIRA 17:3)

1. Institut energetiki AN ArmSSR.

UNANYAN, M.P.; KONDRAT'YEVA, G.V.; LOCHMELIS, A.Ya.; ZAVIY LAW. E.I.;

ZEYFMAN, Yu.V.; GAMBARYAN, N.P.; MINASYAN, E.B.; KUBUYAUTS, K.I.;

KOCHARYAN, S.T.; RÖKHLIN, Ye.M.; KAVERZHEVA, Ye.D.; KCASHAK, V.V.;

ROGOZHIN, S.V.; DAVANKOV, V.A.; TSEYTLIN, G.M.; PAVLOV, A.I.;

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CZECHOSLOVAKIA/Diseases of Farm Animals The Pathology R-3 of Multiplication

Abs Jour: Ref Zhur - Riol., No 1, 1959, 2857

Author : Gamcik, P.

Inst : Not given
Title : Studies of Sporm Changes in Rams in Infecti-

ous Epididymitie

Orig Pub: Veterin. casop, 1957, 6, No 3, 238-246

Abstract: No abstract

Card 1/1

19

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614210013-3"

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GAMCIK, Pavol, Doc MVDr, CSc

Kosice

Brno, Veterinarstvi, No 12, December 1966, pp 552-556

"Development and present state of insemination and gynecology of farm animals in Czechoslovakia."

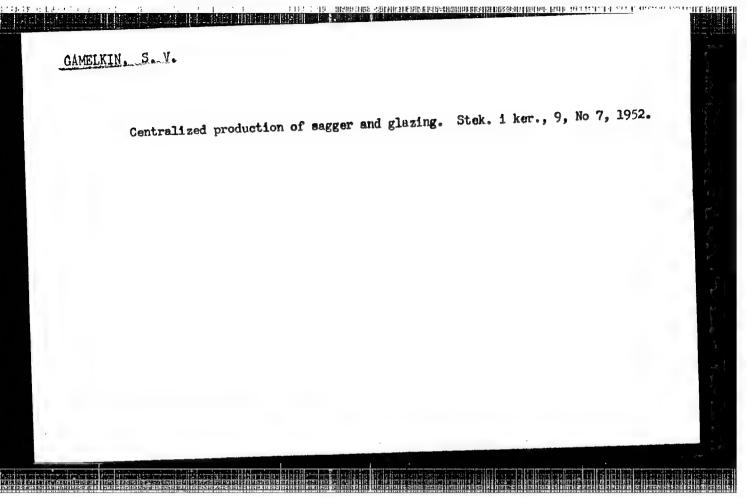
GAHEL ELDIN, A.

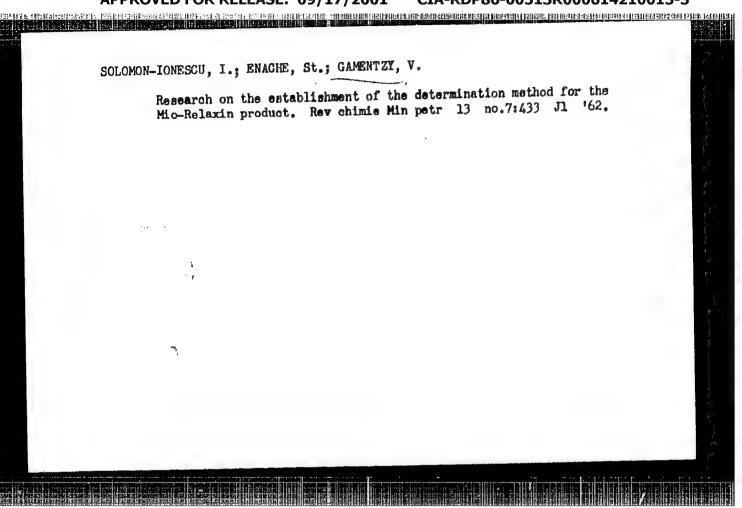
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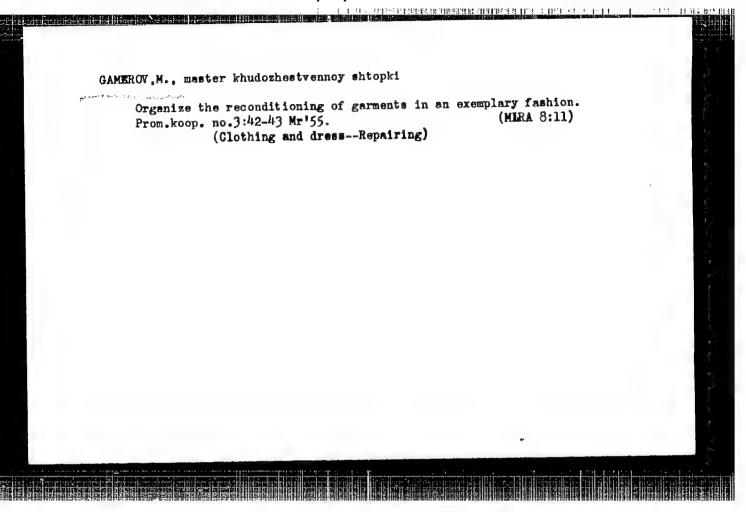


GAMERI, G.F. professor

Tumor development. Vop.onk. 3 nc.2:131-139 '57. (MIRA 10:6)

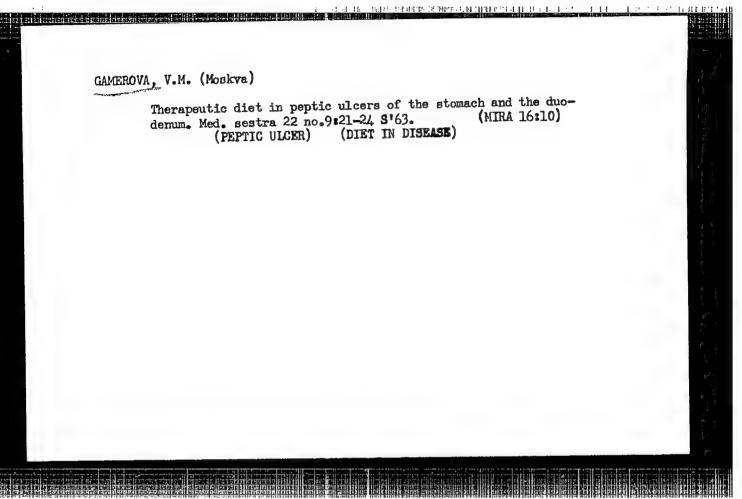
1. It Institute patologgi (dir. - prof. G.F.Gamperl') Universiteta
v Bonne (Germanskaya federativnaya respublika). Adres avtora:
Rheinisha Friedrich-Wilhelms-Universität, Institut der Pathologie,
Bonn, Deutschland (West Germany)
(MKOPLENE)

tumor develop. (Rus))



MOROZOV, I.A.; GAMEROV, S.L.; CHERNYSHEV, A.F.; DOIMATOV, A.A., kand. tekhn. nauk, retsenzent; SAMAITSEV, Yu.S., inzh., red.

[All-metal passenger cers] TSol'nometallicheskie passazhirskie vagony. Moskva, Mashinostroenie, 1965. 254 p. (MIRA 18:9)



TOKAR', I.K.; CHAMIN, I.A.; Prinimali uchastiye: BOYKC, M.V.; CHUB, G.F; GAMERSHTEYN, V.A.; YASHNIKOV, D.I.; FILOHOV, V.A.; TROSHCHENKO, N.A.; SAMOYLOV, I.D.; ZAYTSEV, V.V.; KOLOMATSKIY, V.D.

Efficient lubrication for the rolling of thin sheet iron.
Metallurg 6 no.8:22-24 Ag '61. (MIRA 14:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Tokar', Chamin, Zaytsev, Kolomatskiy). 2. Zavod "Zaporozhstal'" (for Boyko, Chub, Gamershteyn, Yashnikov, Filonov, Troshchenko, Samoylov). (Metalworking lubricants) (Sheet iron)

27230 3/133/61/000/009/003/011 A054/A127 1.1300 Trishevskiy, I. S., Candidate of Technical Sciences, Soroko, L. N., Klepande, V. V., Naydenov, A. A., Skokov, F. I., Gamershteyn, V. A., AUTHORS: Kaluzhukiy, V. B., Engineers Grooving of rodls for the shaping of corrugated sheets TITLE no. 9, 1961, 817 - 824 PERIODICAL: According to the authors the best way of producing corruga ed sheets is rolling them from sheet metal on shaping mills instead of producing them by stamping. The groove designs of the rolls for this process were made to suit the pilot industrial-scale shaping mill of the Ukrainskiy institut metallo (Ukrainian Institute of Metals). The tests were carried out with O8kn (O8kp) ste 1 on 15 stands (scale 1:1). To ensure strip stability and a good quality corregation, the design provides for the successive profiling of sectors, starting from the central rib towards strip edges. The ribs are shaped by the work rolls; before the first and second stand vertical auxiliary rolls are used as guides. One of the features of the new grooving system is the application of varying radii with a constant distance between the bending are centers. The shaping radii are dete mined in sum Card 1/3

27930 g/133/61/00 /009/004/011 Grooving of rolls for the shaping of corrugated sheets AC54/A127 a way that the length of the corrugations of the upper and lower roundings remains constant, whereas the dimensions of the transient shapes of the profile are determined in such a way that the perimeter of the ribs being formed remains constant in all passes. To support the peripheral sectors of the strip being shaped and to enable the metal to be displaced freely to the bending spot backing disks are used whose distance from the roll axis depends on the shape corrugation of the corresponding profile sections. This made it possible not to everlap the whole profile by the rolls to shorten the roll barrel. The rolls are assembled whole profile by the rolls to shorten the roll barrat. The rolls are assessed from horizontal parts on both ends. They are easily mounted and the gaps between the rolls can be adjusted accurately. When rolling corrugated sheets with this type of grooved rolls the height of the section deviated from the standard value (32 mm) by 0.6 - 1.0 mm, the corrugations varied between 1.7 - 2.5 mm in length and between 2.25 and 2.8 mm in width; the angle of inclination of the lateral external edges of the outer ribs varied between 69 - 70° instead of the required 72°30'. Moreover the sheet thickness was not uniform over its entire length and width: the sheet thickness at the bonding spots is smaller at the front edge of the sheet than at the rear end. The relative thinning at the front end of the strip is 4.6% greater than at the rear. Based on the test results, the first batch of corrugated sheets was rolled on an 18 stand mill - (-4) x (400-1,500) Card 2/3

